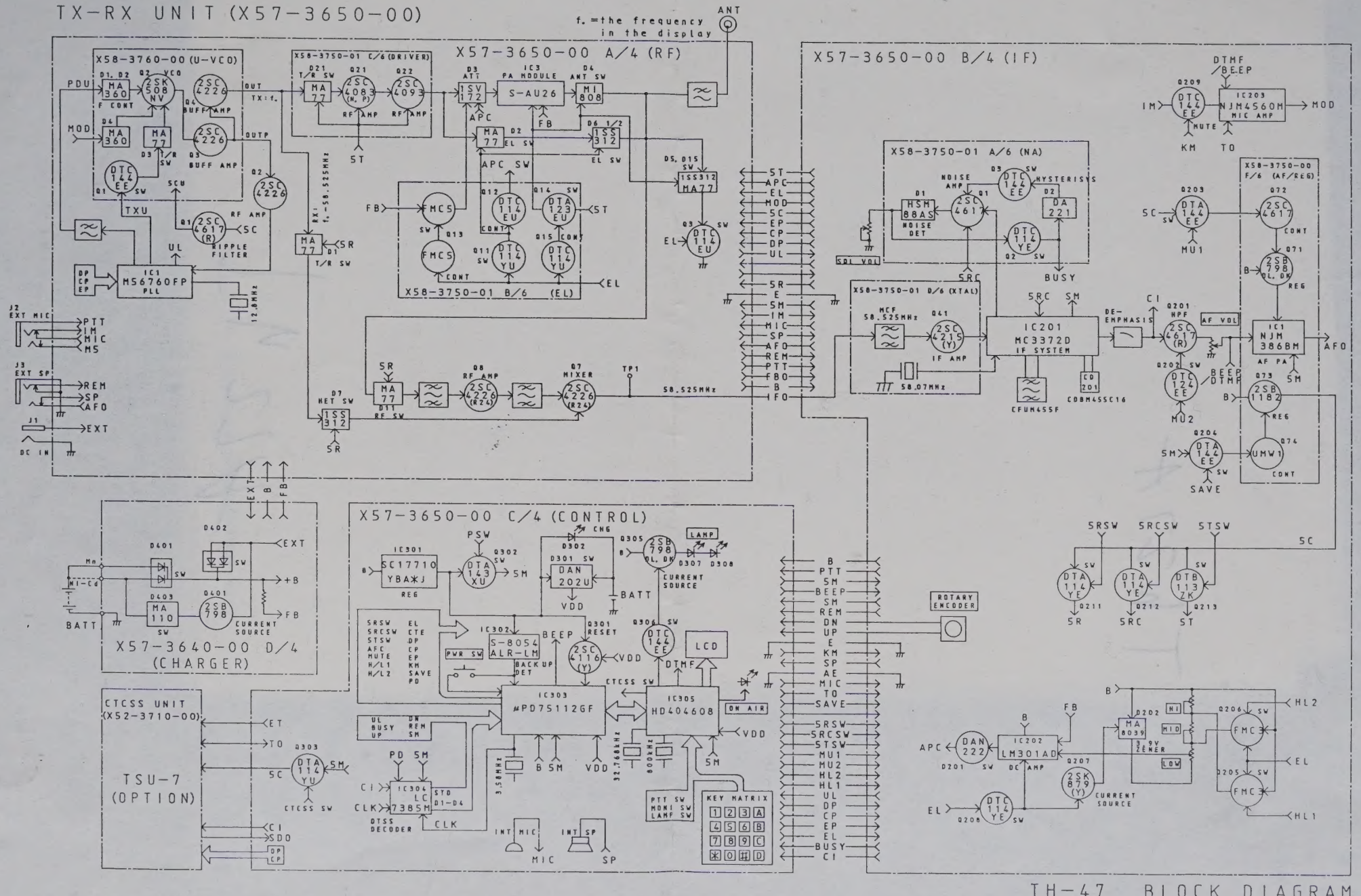
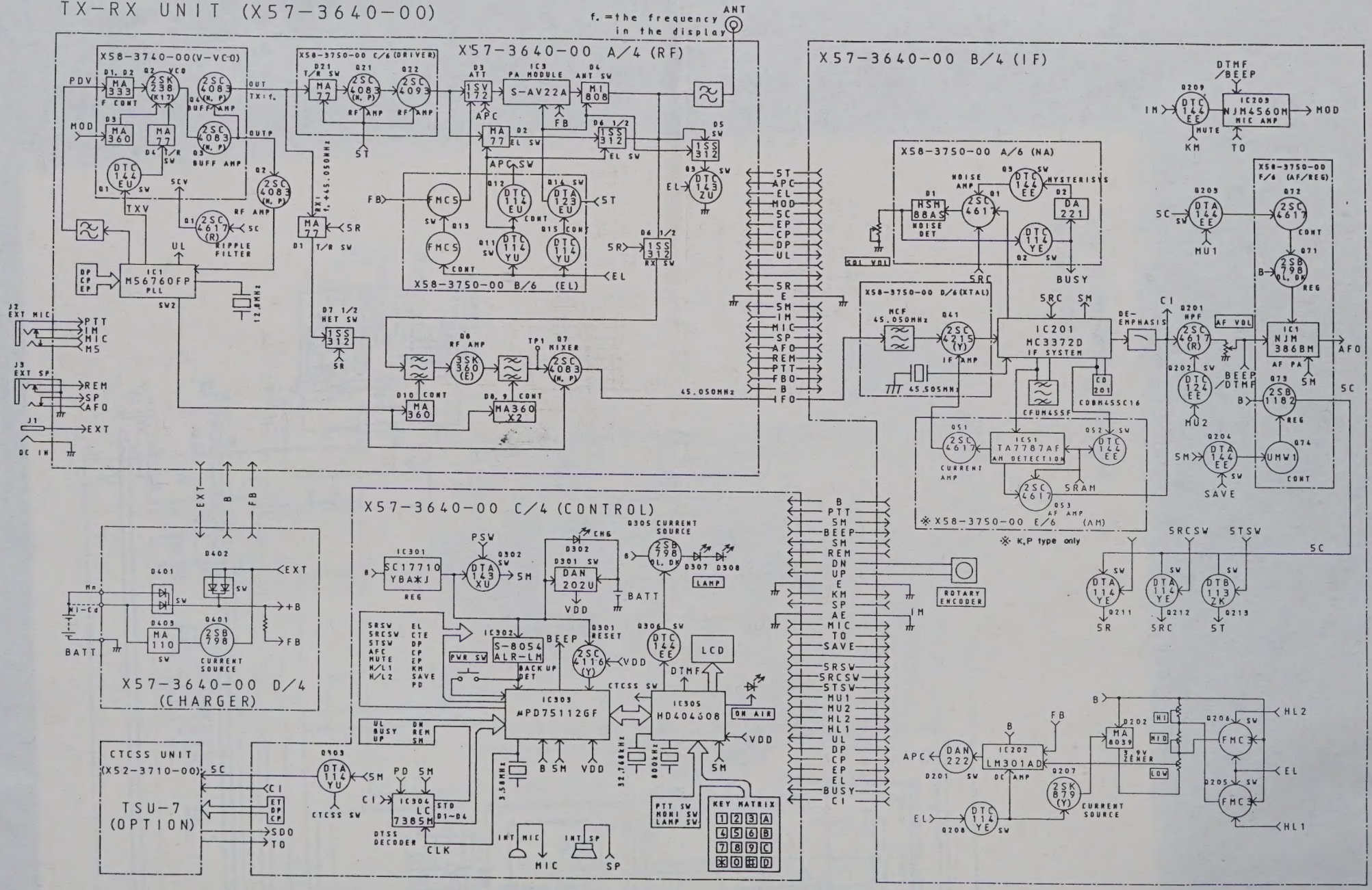

TX-RX UNIT (X57-3650-00)
f. =the frequency in the display
ANT
X57-3650-00 A/4 (RF)
X58-3760-00 (U-VCO)
X58-3750-01 C/6 (DRIVER)
X58-3750-01 B/6 (EL)
X57-3650-00 B/4 (IF)
X58-3750-01 A/6 (NA)
X58-3750-01 D/6 (XTAL)
X58-3750-00 F/6 (AF/REG)
X57-3650-00 C/4 (CONTROL)
X57-3640-00 D/4 (CHARGER)
CTCSS UNIT (X52-3710-00)
TSU-7 (OPTION)
PDU
MOD
PLL
MS6760FP
IC201 MC3372D IF SYSTEM
NJM4560M MIC AMP
NJM 386BM
S-AU26
PA MODULE
S-8054 ALR-LM
μPD75112GF
HD404608
LM301AD
LCD
KEY MATRIX
ROTARY ENCODER
TH-47 BLOCK DIAGRAM

Th27A

Th27A

5-1. BLOCK DIAGRAM

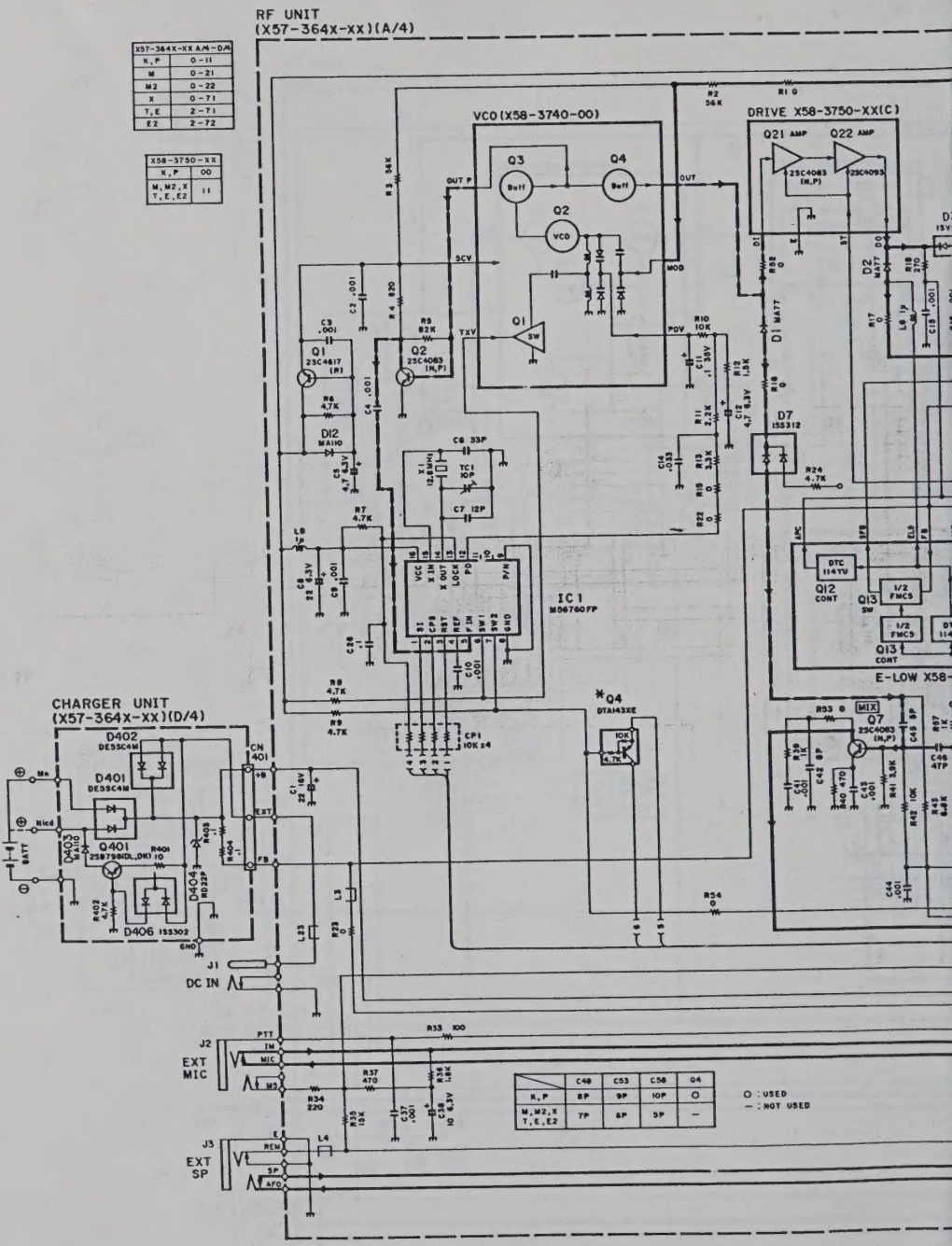
■ TH-27A/27E

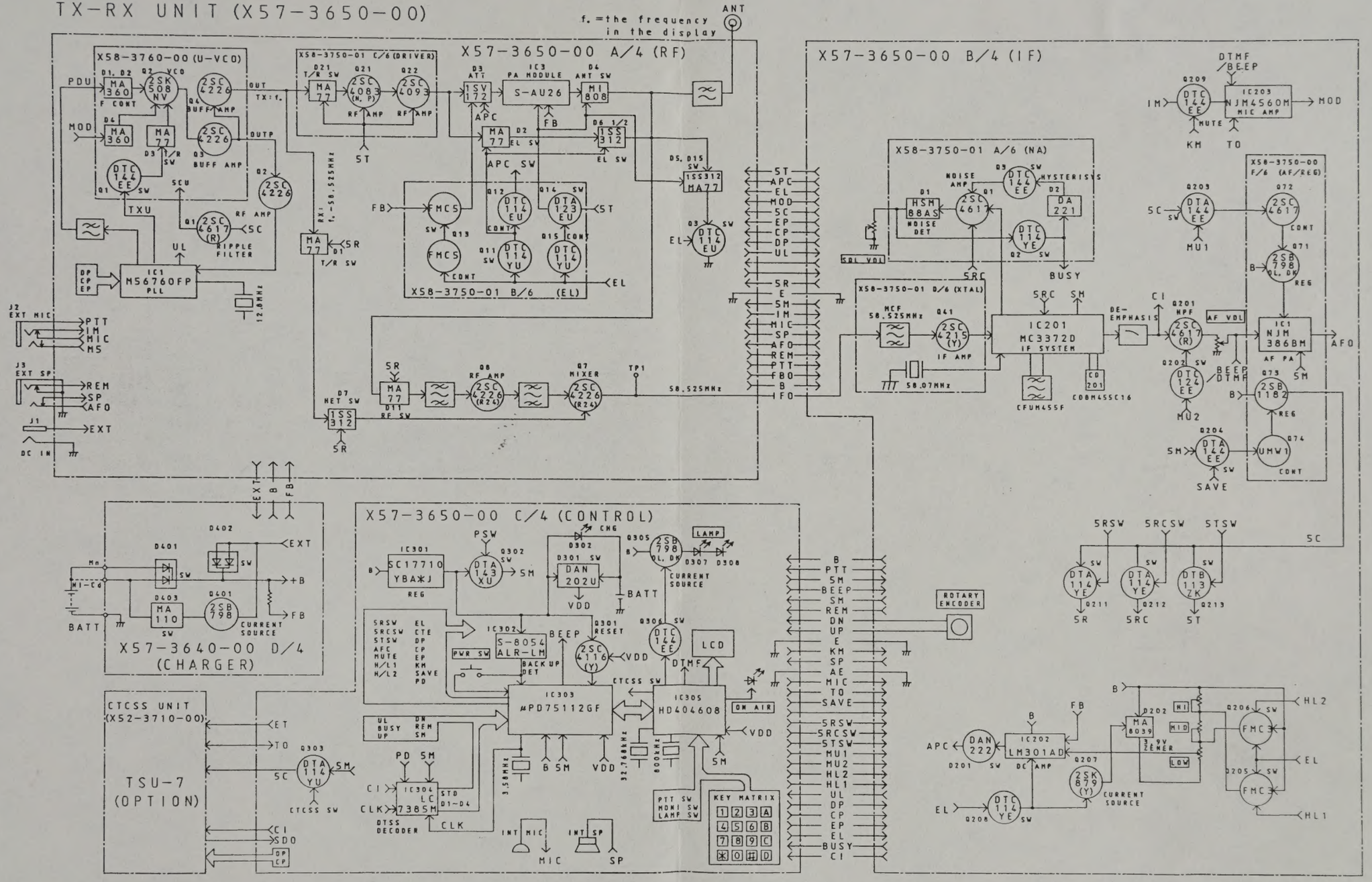


TH-27 BLOCK DIAGRAM

5-2. SCHEMATIC DIAGRAM

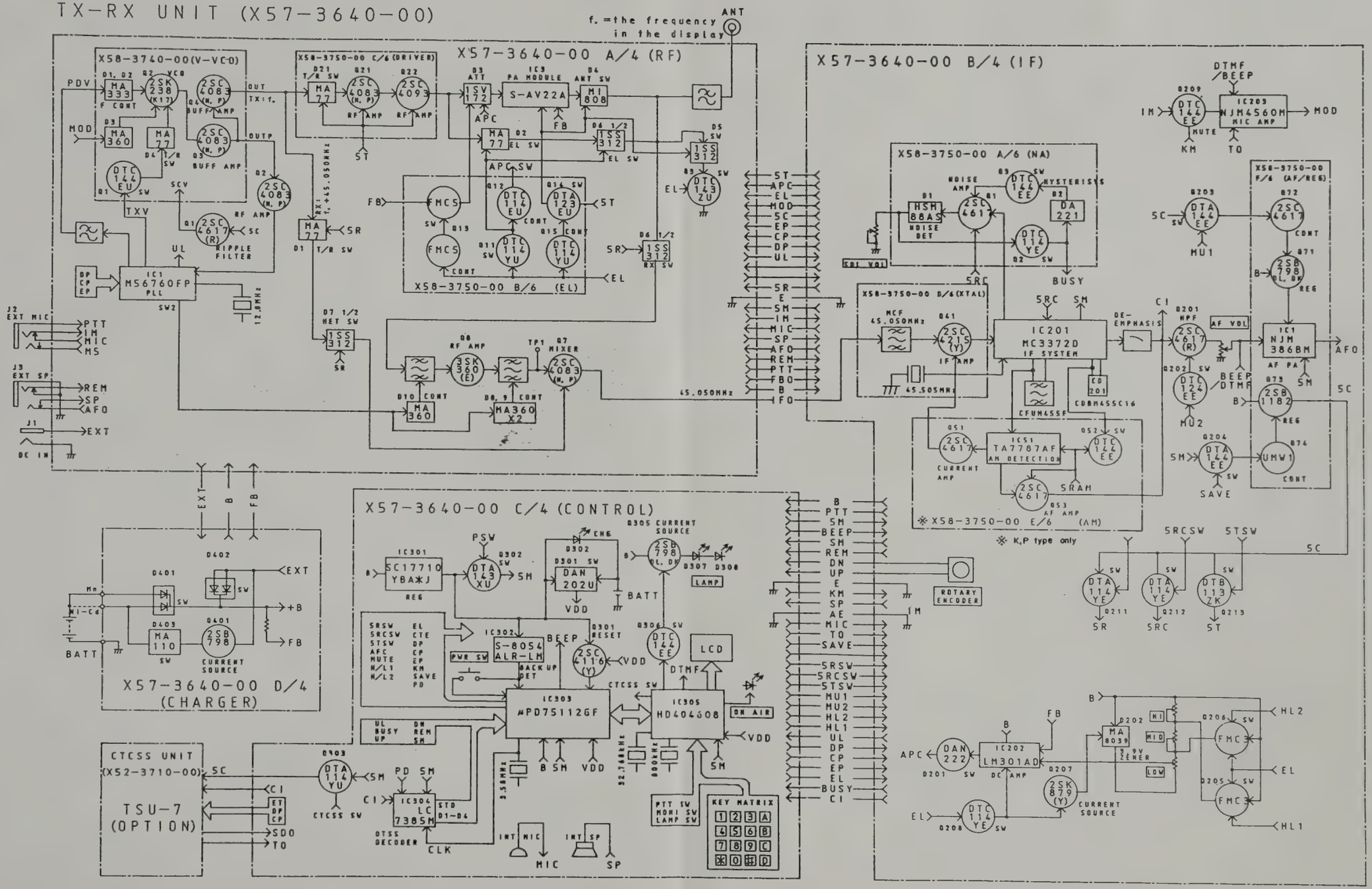
■ TH-27A/27E




TX-RX UNIT (X57-3650-00)
f. =the frequency in the display
ANT
X57-3650-00 A/4 (RF)
X58-3760-00 (U-VCO)
X58-3750-01 C/6 (DRIVER)
X58-3750-01 B/6 (EL)
X57-3650-00 B/4 (IF)
X58-3750-01 A/6 (NA)
X58-3750-00 F/6 (AF/REG)
X58-3750-01 D/6 (XTAL)
X57-3650-00 C/4 (CONTROL)
X57-3640-00 D/4 (CHARGER)
CTCSS UNIT (X52-3710-00)
TSU-7 (OPTION)
IC1 M56760FP PLL
IC201 MC3372D IF SYSTEM
IC203 NJM4560M MIC AMP
IC1 NJM 386BM AF PA
IC303 μPD75112GF
IC305 HD404608
IC302 S-8054 ALR-LM
IC304 LC 7385M
IC301 SC17710 YBA*J
S-AU26
ST
SR
EL
TX: f.
RX: f.-58.525MHz
58.525MHz
58.07MHz
12.8MHz
BUSY
MOD
AFO
PTT
MIC
SP
REM
EXT
BATT
LCD
KEY MATRIX
ROTARY ENCODER
TH-47 BLOCK DIAGRAM

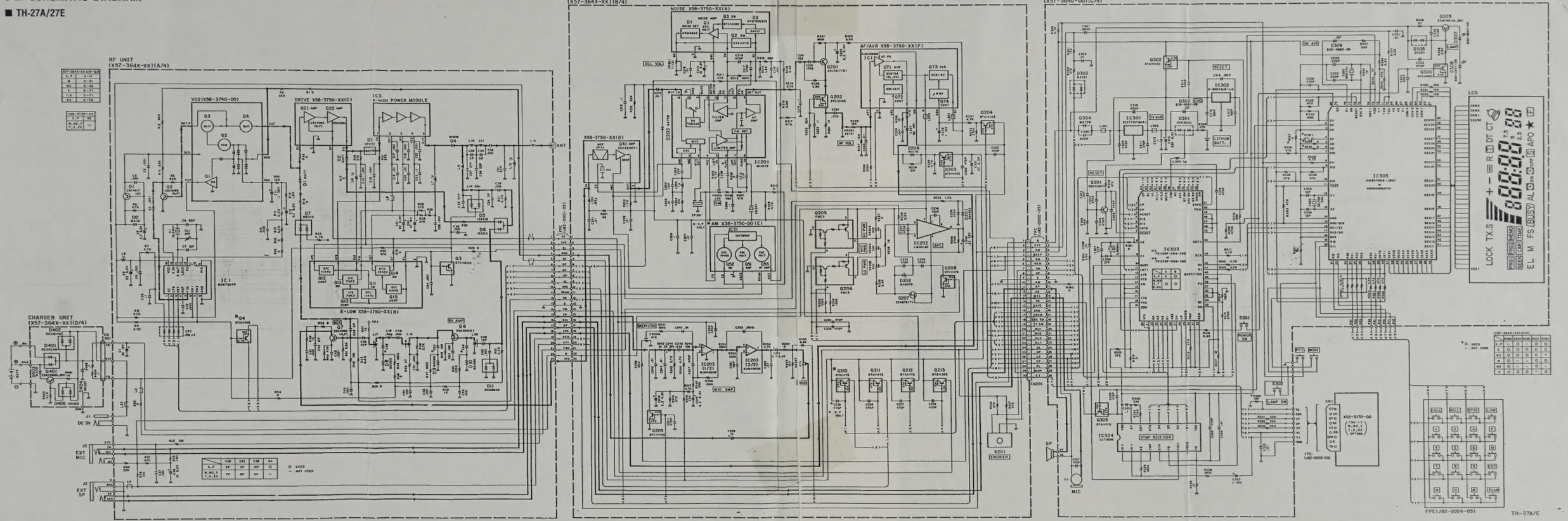
5-1. BLOCK DIAGRAM

■ TH-27A/27E



5-2. SCHEMATIC DIAGRAM

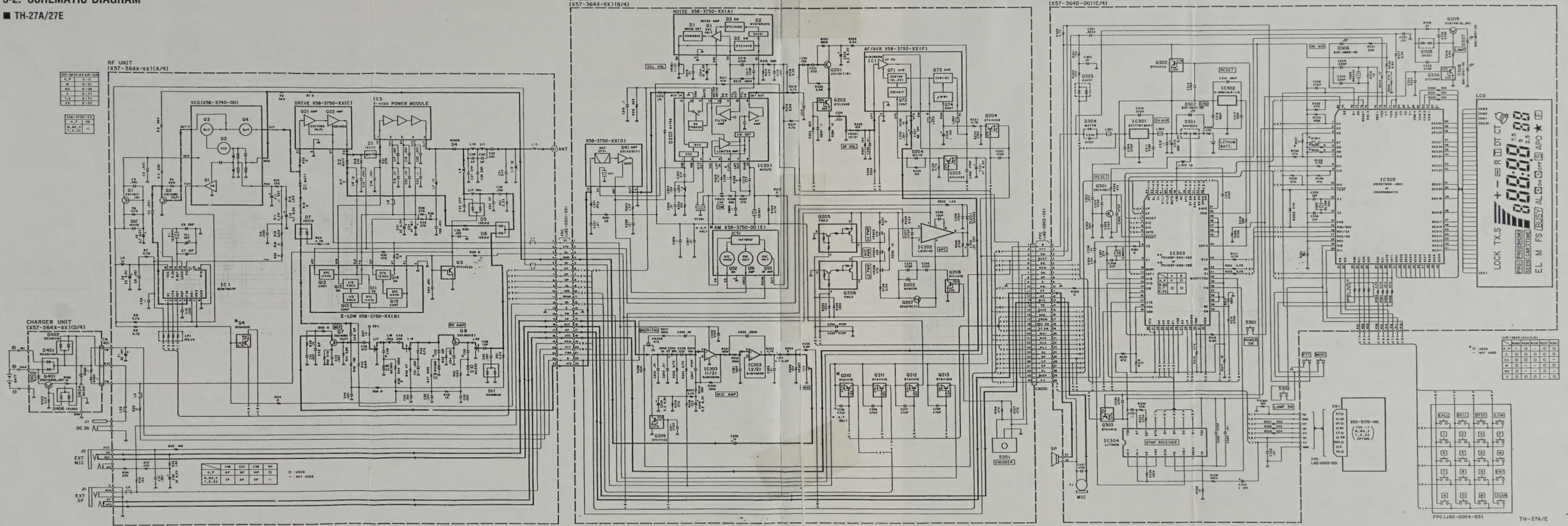
■ TH-27A/27E



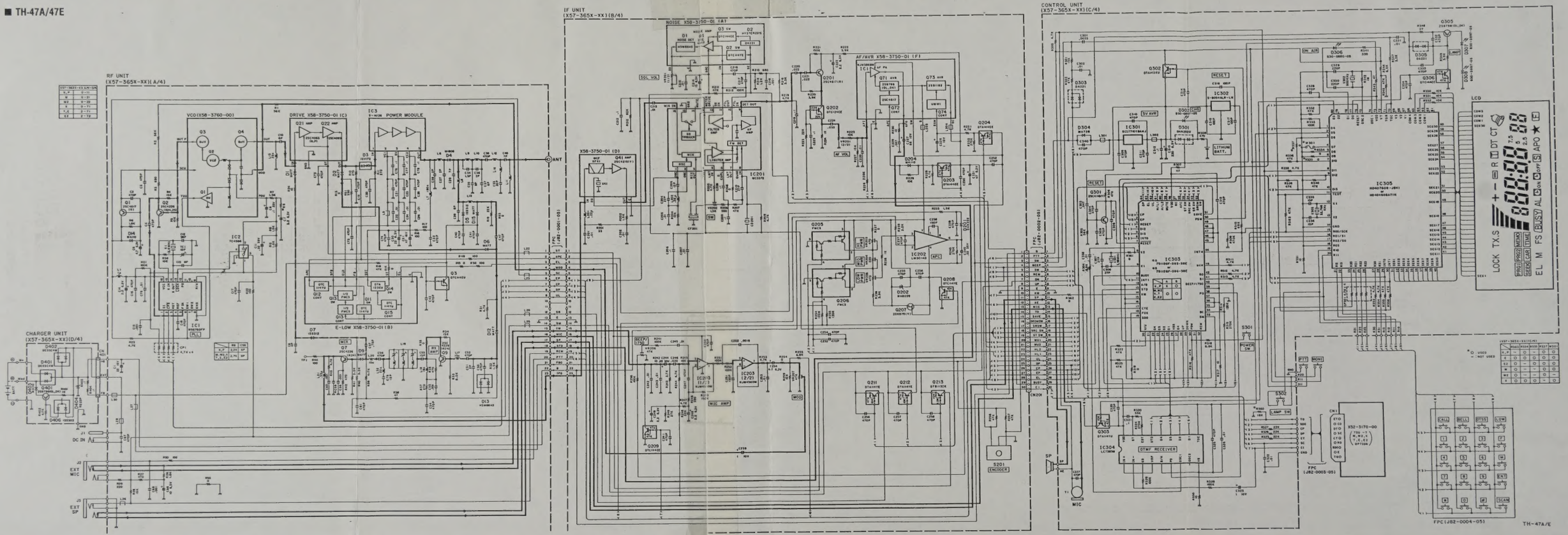
Note:
Circuit is subject to change without notice due to advancements in technology.

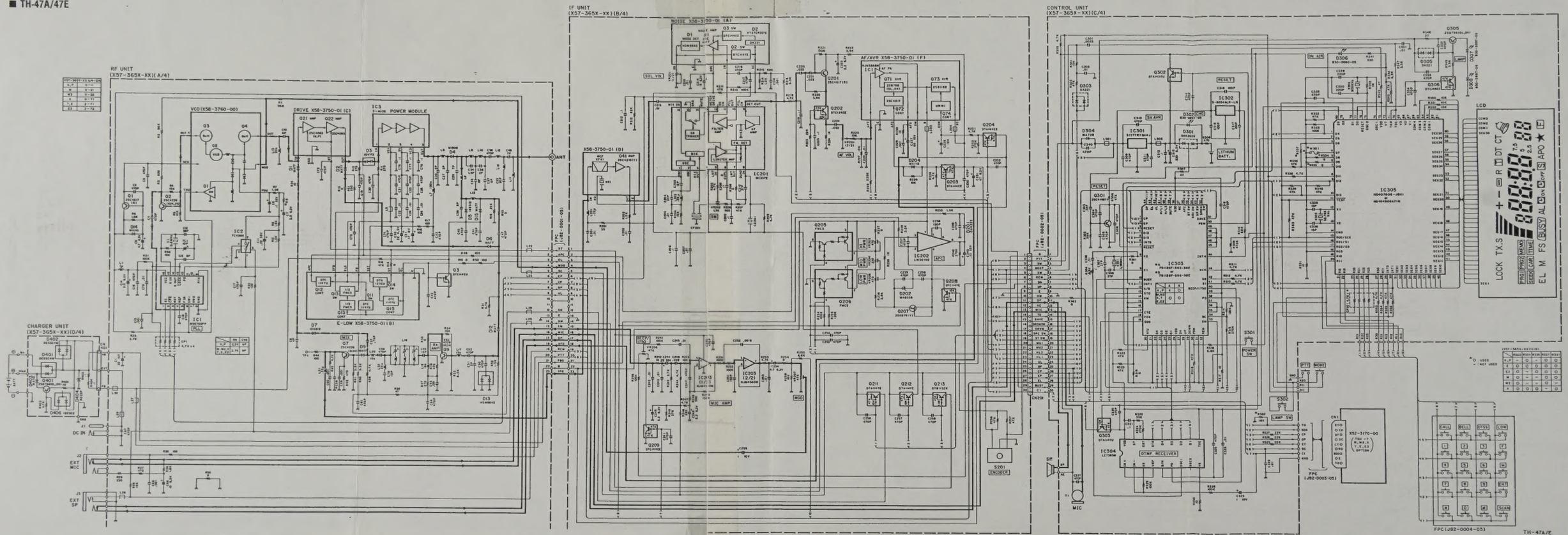
5-2. SCHEMATIC DIAGRAM

■ TH-27A/27E



■ TH-47A/47E


RF UNIT
(X57-365X-XX)(A/4)
VCO(X58-3760-00)
DRIVE X58-3750-01 (C)
IC3
PA POWER MODULE
E-LOW X58-3750-01 (B)
IF UNIT
(X57-365X-XX)(B/4)
NOISE X58-3750-01 (A)
X58-3750-01 (D)
AF/AVR X58-3750-01 (F)
CONTROL UNIT
(X57-365X-XX)(C/4)
CHARGER UNIT
(X57-365X-XX)(D/4)
LCD
ANT
DC IN
EXT MIC
EXT SP
SP
MIC
ENCODER
DTMF RECEIVER
FPC (JBZ-0003-05)
FPC (JBZ-0004-05)
TH-47A/E


RF UNIT
(X57-365X-XX)(A/4)
IF UNIT
(X57-365X-XX)(B/4)
CONTROL UNIT
(X57-365X-XX)(C/4)
CHARGER UNIT
(X57-365X-XX)(D/4)
VCO(X58-3760-00)
DRIVE X58-3750-01 (C)
IC3
POWER MODULE
C-LOW X58-3750-01 (B)
NOISE X58-3750-01 (A)
AF/AVR X58-3750-01 (F)
X58-3750-01 (D)
ANT
DC IN
EXT MIC
EXT SP
SP
MIC
LCD
LOCK TX.S
EL M FS BUSY AL
PRG1 PRG2 MEMO
SCAN CAR TIME
APO
IC305
IC303
IC304
IC302
IC301
IC201
IC202
IC203
IC1
IC2
S201
ENCODER
S301
POWER SW
S302
LAMP SW
PTT
MONI
DTMF RECEIVER
LITHIUM BATT.
FPC (JBZ-0003-05)
FPC (JBZ-0004-05)
CN201
CN202
CN204
CN1
X52-3170-00
TH-47A/E